FORM 1449

INFORMATION DISCLOSURE STATEMENT *(Use Several Sheets if necessary)*	ATTY DOCKET NO. CSA 008	APPLICATION NO.
	APPLICANT Michael J. C. Smith	
	FILING DATE January 12, 2004	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE *IF APPROPRIATE*
JM		4,139,171	2/13/79	Harris	244	22	
JM		5,163,861	11/17/92	Van Ruymbeke	446	35	
JM		5,899,408	5/4/99	Bowers, Jr.	244	11	
JM		4,749,149	6/7/88	Gruich	244	22	
JM		4,718,877	1/12/88	Girsch et al.	446	313	
JM		4,793,573	12/27/88	Kelfer	244	11	
JM		4,729,748	3/8/88	Van Ruymbeke	446	35	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
							☐	☐

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

JM		Michael J. C. Smith, "Simulating Flapping Insect Wings . . . ", Ph.D. Thesis, Purdue University, 5/25/95
JM		Michael J. C. Smith, "Reinstating Inquiry into Mechanized Flapping-Wing Flight . . .", AIAA 97-0533, 35th Aerospace Sciences Meeting and Exhibit, January 6-10, 1997
JM		Smith et al., "The Advantages of an Unsteady Panel Method in Modelling . . .", J. Experimental Biology 199, 1073-1083 (1996).
JM		Michael J. C. Smith, "Simulating Moth Wing Aerodynamics: Towards the Develoment of Flapping-Wing Technology", AIAA Journal 34:1348-1355 (1996)
JM		DeLaurier and Harris, "A Study of Mechanical Flapping-Wing Flight", Aeronautical Journal, October 1993
JM		"Hargrave's Flying Machine, The American Engineer, May 1893, pp 233-34.
JM		Michael J. C. Smith, "Trajectory Control of Flapping Wings: . . .", 6th AIAA/NASA/USAF Multidisciplinary Analysis and Optimization Symposium, September 4-6, 1996

EXAMINER	Woodson Eldred	DATE CONSIDERED	4-30-04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE *IF APPROPRIATE*
		6,568,634	May 27, 2003	Smith	244	72	
		6,206,324	Mar. 7, 2001	Smith	244	72	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
		01/15971	Mar. 8, 2001	WIPO	B64C	33/02	☐	☐

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

		"Spencer's Ornithopter", Model Airplane News, February 1999, pp. 40-43, 45
		Hollingum, "Military to look to flying insect robots", Industrial Robot, 25:123-128 (1998)
		Michelson, "Update on Flapping Wing Micro Air Vehicle Research", 13th Bristol International RPV Conference, 30 March – 1 April 1998.
		"Tiny Drones May Be Soldier's New Tool", Aviation Week & Space Technology, June 8, 1998, pp. 42-48
		"Honey, I Shrunk the Plane", Machine Design, October 8, 1998 pp. 353-48.
		"Several Micro Air Vehicles In Flight Test Programs", Aviation Week & Space Technology, July 12, 1999, pp. 47-48.
		"Quetzalcoatl", Model Aviation, August 1986, pp. 84-90, 158.
		"Microplanes", Popular Science, January 1998, pp. 54-59.
		Michael J. C. Smith, "Leading Edge Effects on Moth Wing Aerodynamics, . .", 14th AIAA Applied Aerodynamics Conference, June 17-20, 1996
		"Learning From the Birds and Bees", I. D. Magazine, November 1998, pp.66-69.

EXAMINER Woodrow Eldred — DATE CONSIDERED 4-30-04

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